

# MMS Drilling Inspection Program



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October 14, 2009

Kulluk in the Beaufort Sea



**The goal of the Inspection  
Program is to ensure Safe and  
Clean Operations.**



**SDC Beaufort Sea, Bottom founded, 2003**



# Inspection Program

Ensure that operations are in accordance with  
required Regulations, Lease Stipulations,  
Approved Applications, and Plans



# Potential Incident of Non-Compliance (PINC list)

The regulations  
broken down into  
individual inspection  
items.



Explorer II



PINC NO.	IDENTIFICATION	AUTHORITY 30 CFR 250.	ENF. ACT.	# CK	# YES	# NO	# NA
G-100	Is the facility identified as required? (enter 1 item checked per facility)	154	W				
OPERATIONS							
G-110	Does the lessee perform all operations in a safe and workmanlike manner and provide for the preservation and conservation of property and the environment? (enter 1 item checked per facility)	401(e) 107(a)	W/C/S				
G-111	Does the lessee maintain all equipment in a safe condition to provide for the protection of the lease and associated facilities? (enter 1 item checked per facility)	401(e) 107	W/C/S				
G-112	Does the lessee provide for the safety of all personnel and take all necessary precautions to correct and remove any hazardous oil and gas accumulation or other health, safety, or fire hazards? (enter 1 item checked per facility)	401(e) 107	W/C/S				
G-113	Does the lessee make all facilities and records available for inspection by MMS personnel? (enter 1 item checked per facility)	132	W				
G-114	Are all operations conducted in accordance with Lease Stipulations? (enter 1 item checked per facility)	101	W/C/S				
G-115	Are all operations conducted in accordance with Approved Applications? (enter 1 item checked per facility)	410, 802 1202(a)(1), 1203(b)(1), 1204(a)(1)	W/C/S				
G-116	Are operations conducted in accordance with Approved Plans? (enter 1 item checked per facility)	200, 254.2	W/C/S				
G-117 *	Is required paperwork submitted prior to conducting an activity or operation within the time frame specified by regulations? (enter 1 item checked per facility)	513(a), 613(a) &(b), 1008	W				



# PINC Guidelines



CIDS Beaufort Sea

**Ensures that the regulations are interpreted consistently so that Inspections are fair, firm and concise.**



**D-100      IS AN OPERABLE CROWN BLOCK SAFETY DEVICE INSTALLED TO PREVENT THE TRAVELING BLOCK FROM STRIKING THE CROWN BLOCK?**

**Authority: 404**

**Enforcement Action: S**

**DEFINITION:**

**Crown block safety device** - Normally a device (manual or electronic) installed to prevent the block from striking the crown.

**Note:** The crown block safety device is not to be actuation tested when the crown block is loaded with the drill pipe, casing, or work string.

**INSPECTION PROCEDURE:**

- 1. Inspect the rig to verify the installation of a crown block safety device (manual or electronic).
- 2. Visually inspect position of manual device above cable drum to verify the distance for cable shutdown.
- 3. Verify that the device (manual or electronic) has been reset after drill-line slipping operations.
- 4. Verify that the device (manual or electronic) is in service and witness the proper operation of the device.

**IF NONCOMPLIANCE EXISTS:**

Issue a rig shut-in (**S**) INC when:

- 1. The crown block safety device is not installed or operable.
- 2. The manual device is not installed above the cable drum a sufficient distance for cable shutdown.
- 3. The manual or electronic device has not been reset after drill-line slipping operations.

**INSPECTION COUNT/ INC COUNT:**

Enter one item checked/ issue one INC for each drilling unit inspected.



More information on PINC's and  
the Guidelines can be found at

[http://www.mms.gov/offshore/  
Regulations.htm](http://www.mms.gov/offshore/Regulations.htm)





# MMS Exploration Drilling Inspection

## PINC Categories

- General
- Drilling
- Well Control Training
- Hydrogen Sulfide
- Environmental
- Decommissioning





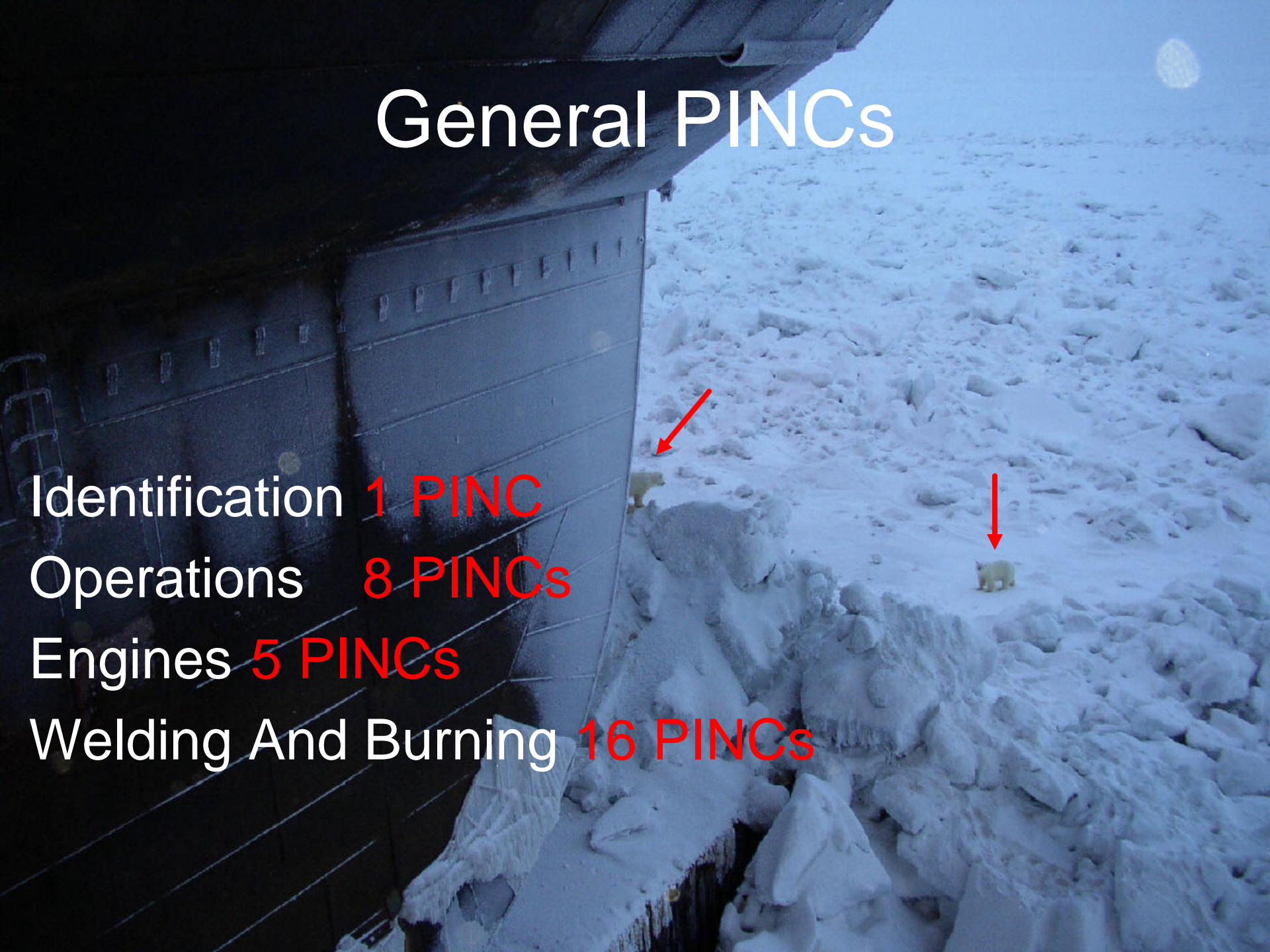
# General PINCs

Identification 1 PINC

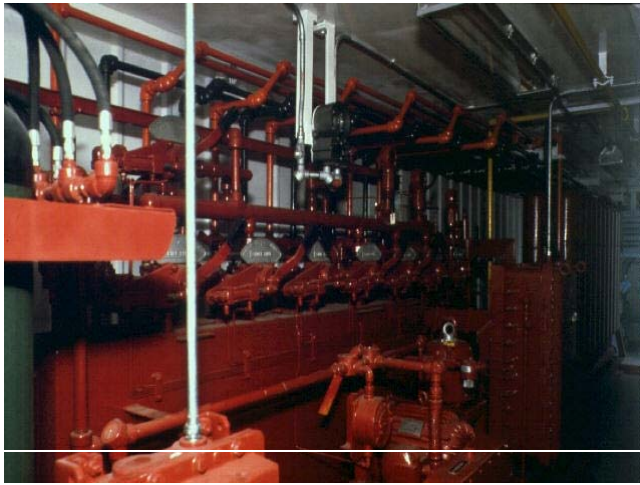
Operations 8 PINCs

Engines 5 PINCs

Welding And Burning 16 PINCs







# DRILLING PINC's

- Blowout Preventer (BOP) System 33 PINCs
- BOP Test, Actuators, Inspections,  
& Maintenance - 29 PINCs
- Well control Drills - 3 PINCs
- Casing Program - 22 PINCs
- Diverter System - 22 PINCs
- Drilling Fluid Requirements - 24 PINCs



# Pollution Prevention

- Blowout Preventer (BOP) System 33 PINCs
- BOP Test, Actuators, Inspections, & Maintenance 29 PINCs
- Well control Drills 3 PINCs
- Casing Program 22 PINCs
- Drilling Fluid Requirements 24 PINCs
- Environmental 13 PINCs



# Well Control Safety Training



The Operator must ensure that their employees and contract personnel engaged in well control understand and can properly perform their duties.

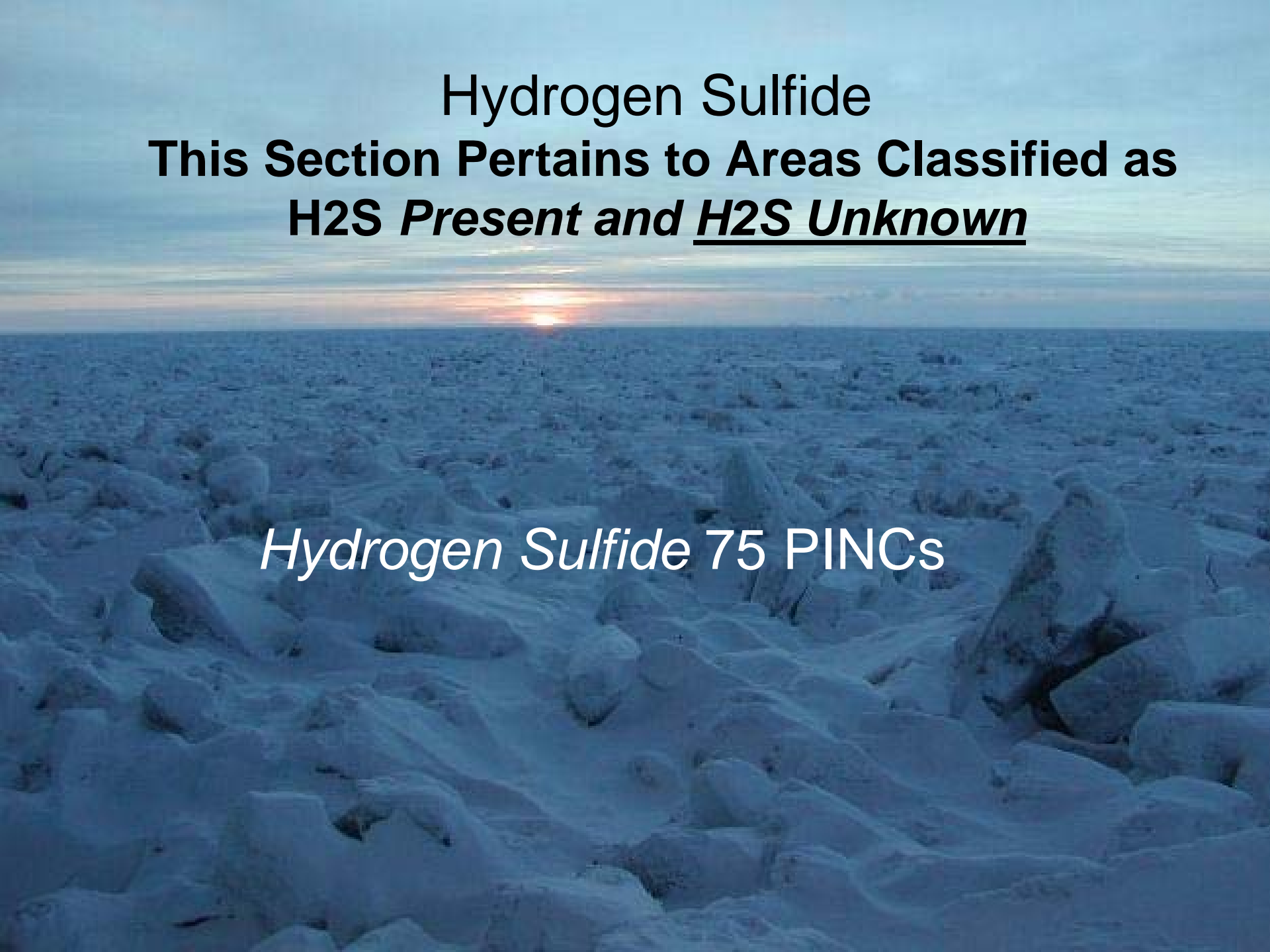


# MMS

Has the authority to review your training program, using one or more of the following methods:

- **Hands on testing**
- **Employee or contractor interviews**
- **Employee or contractor testing**
- **Training system audits**





# Hydrogen Sulfide

**This Section Pertains to Areas Classified as  
*H<sub>2</sub>S Present and H<sub>2</sub>S Unknown***

*Hydrogen Sulfide 75 PINCs*



# Decommissioning (Abandonment)

Permanent Abandonment	10 PINCs
Temporary Abandonment	2 PINCs

## **TEMPORARY ABANDONMENT**

**A-114 DOES THE WELL MEET THE PLUGGING AND TESTING REQUIREMENTS FOR PERMANENT ABANDONMENT EXCEPT FOR A SURFACE PLUG, WELLHEAD REMOVAL, AND SITE CLEARANCE?**

**Authority: 1721**

**Enforcement Action: W**



# New Proposed Rule

Would require that operators develop a Safety and Environmental Management System (SEMS) for their oil and gas operations on the Outer Continental Shelf (OCS).

– The SEMS would consist of four elements

- **Hazards Analysis,**
- **Management of Change,**
- **Operating Procedures, and**
- **Mechanical Integrity**





MMS Inspectors have regulatory Authority to stop or shut down an operation until the item or operation has been rectified to the inspector's satisfaction before operations resume.



# MMS Inspections Coverage



is 24/7 during exploration drilling operation.



Preventing offshore incidents is the paramount goal of All OCS operators and the MMS.

